

**SECRET**

*new 7-16-60*  
TCS-7461-60  
Copy 1 of 5

12 MAY 1960

MEMORANDUM FOR: Record

SUBJECT : Operational Report of Mission 1562,  
Modified System VI

1. The pre-flight test was not contained on the recording on this operation. This pre-flight test is necessary since a reference signal is recorded in the test which indicates the recording level throughout the entire recording. From the reference level an approximation of the strengths of the recorded signals can be determined. The test, therefore, is considered important and should be on the recording on all future missions.

2. Although the information sent with the recordings listed the "L" band sensitivity as being approximately the same as the "S" band receiver, it appeared that the "L" band system was considerably lower in sensitivity in actual operation. Known "L" band signals were stronger in the "S" band recording than in the "L" band. It is suggested that the entire "L" band system, including the antenna, detector, receiver, and its associated recorder be checked to find the reason for this condition.

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Acting Chief  
ELINT Branch, ED/SI

HANDLE VIA TALENT  
CONTROL SYSTEM ONLY

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**SECRET**

TGS-7461-60  
Copy 2 of 5

12 MAY 1960

MEMORANDUM FOR: Record

SUBJECT : Operational Report of Mission 1562,  
Modified System VI

1. The pre-flight test was not contained on the recording on this operation. This pre-flight test is necessary since a reference signal is recorded in the test which indicates the recording level throughout the entire recording. From the reference level an approximation of the strengths of the recorded signals can be determined. The test, therefore, is considered important and should be on the recording on all future missions.

2. Although the information sent with the recordings listed the "I" band sensitivity as being approximately the same as the "S" band receiver, it appeared that the "I" band system was considerably lower in sensitivity in actual operation. Known "I" band signals were stronger in the "S" band recording than in the "I" band. It is suggested that the entire "I" band system, including the antenna, detector, receiver, and its associated recorder be checked to find the reason for this condition.

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[REDACTED]  
Acting Chief  
ELINT Branch, ED/SI

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